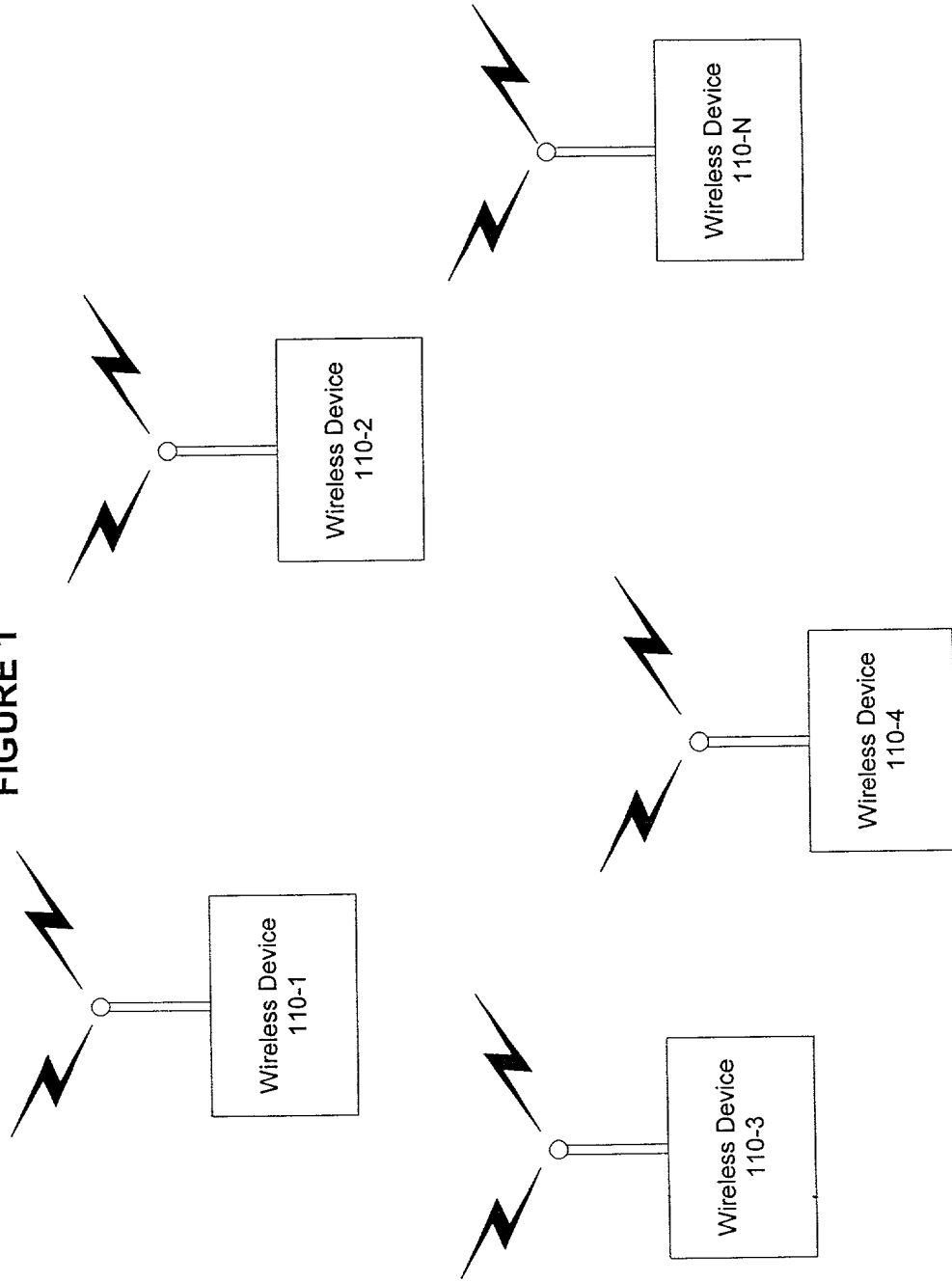


FIGURE 1



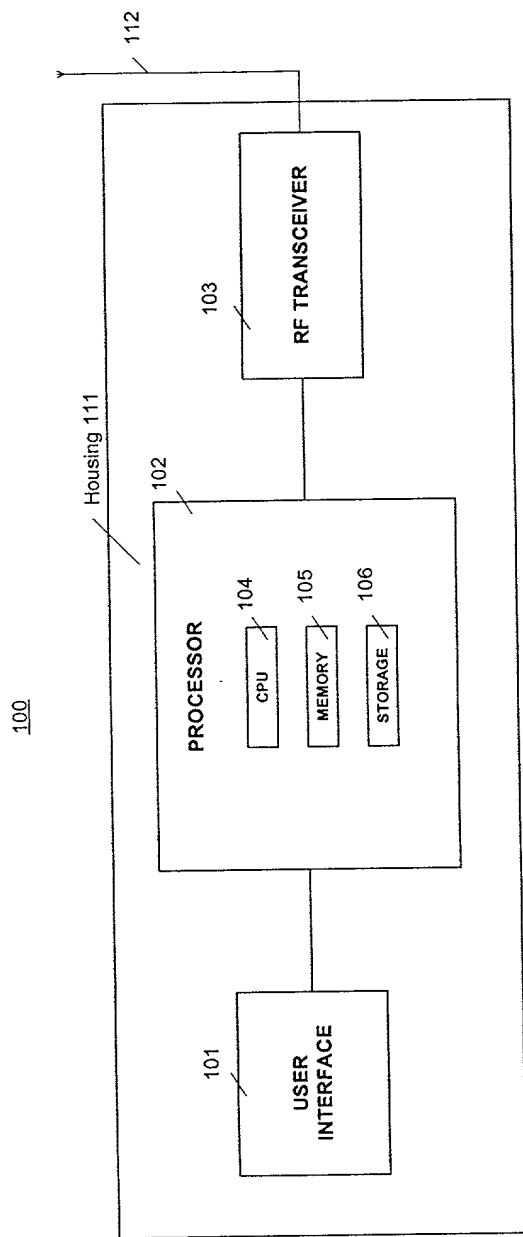


FIG. 3A

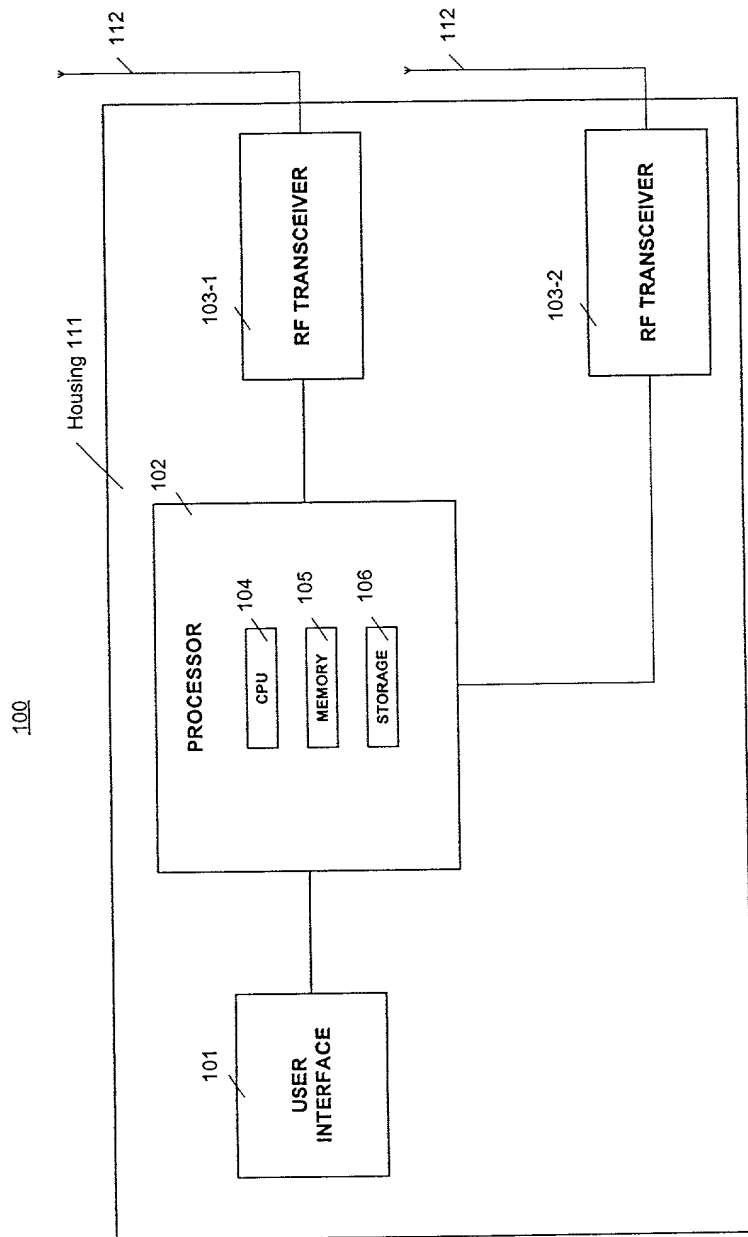


FIG. 3B

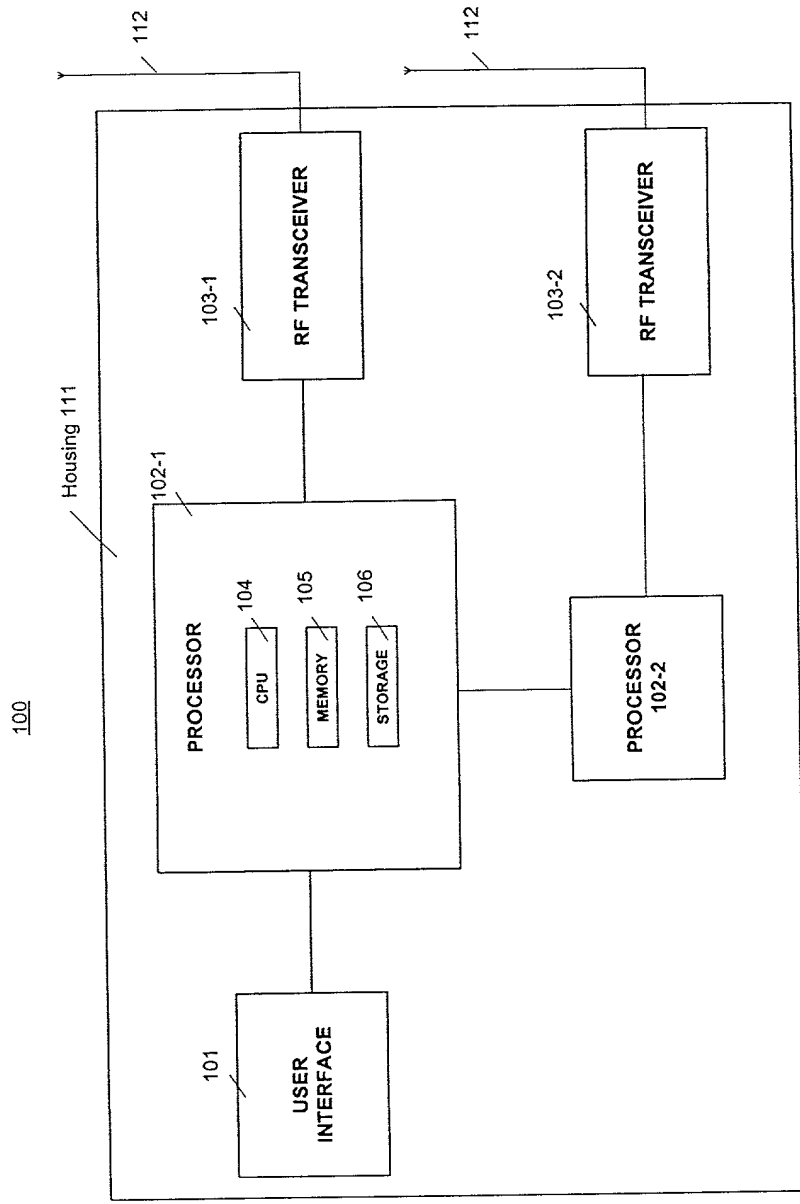


FIG. 3C

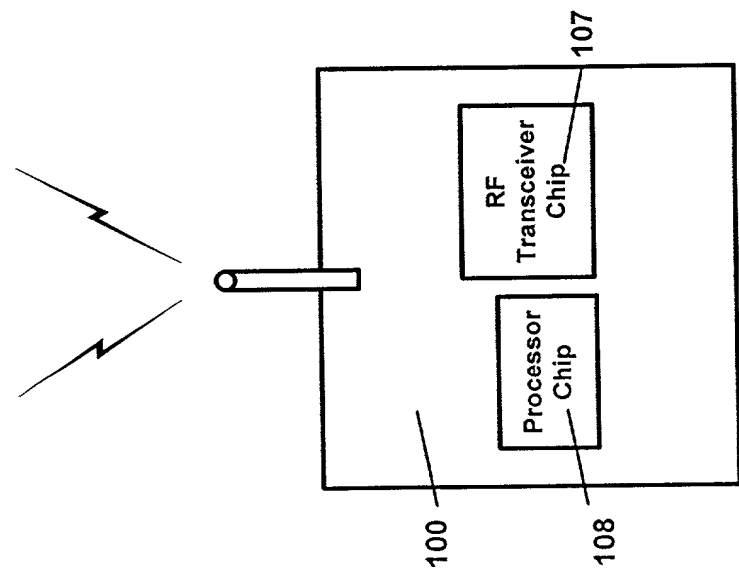


Fig. 4A

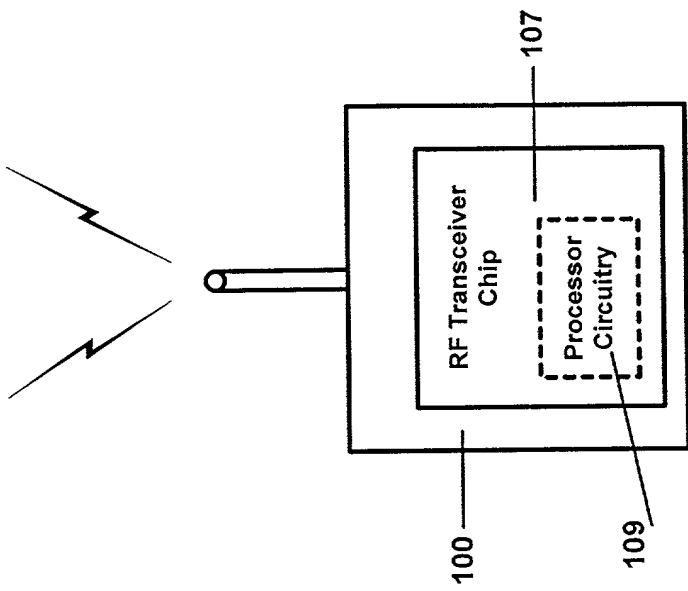


Fig. 4B

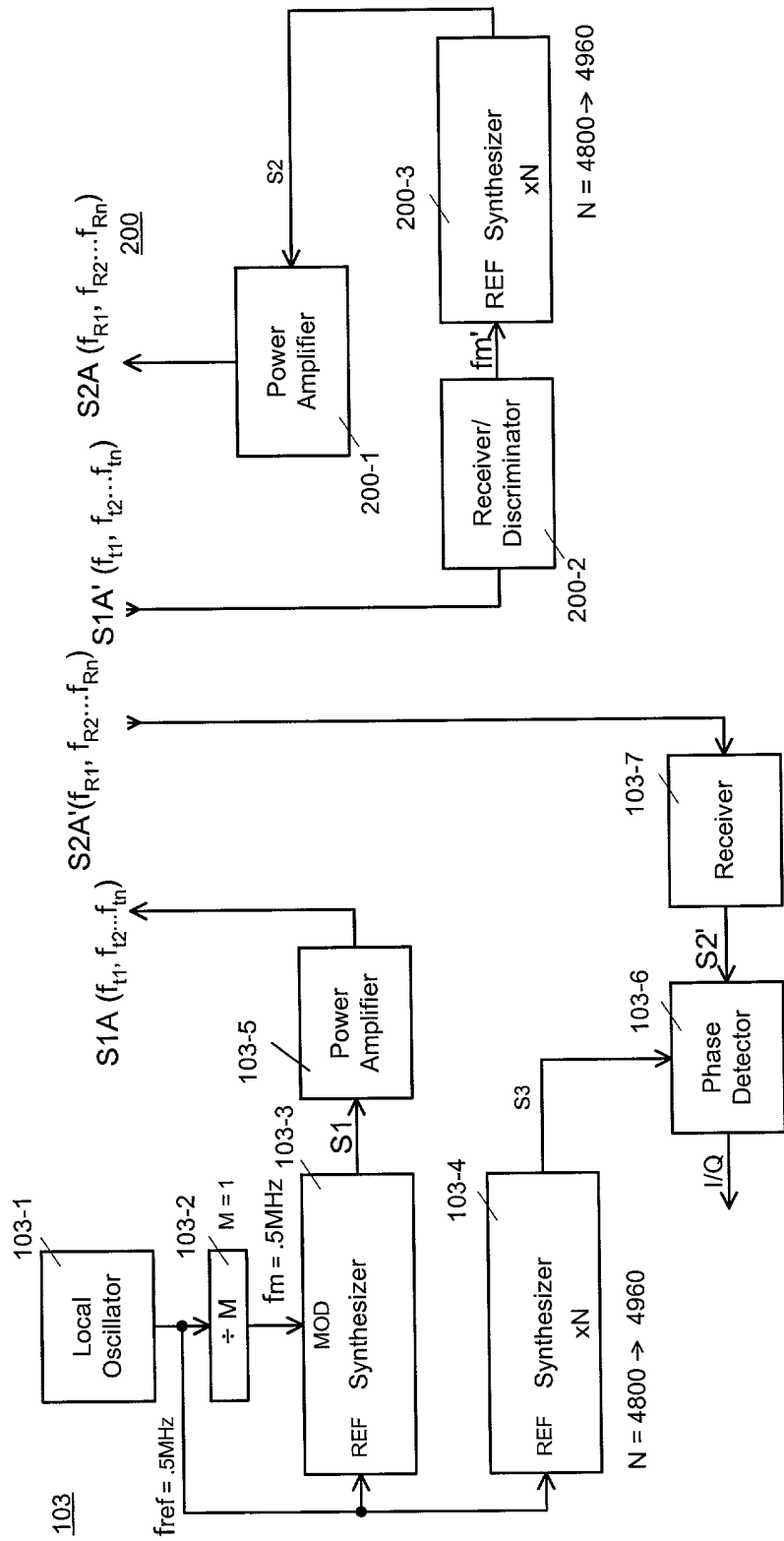


FIG. 5

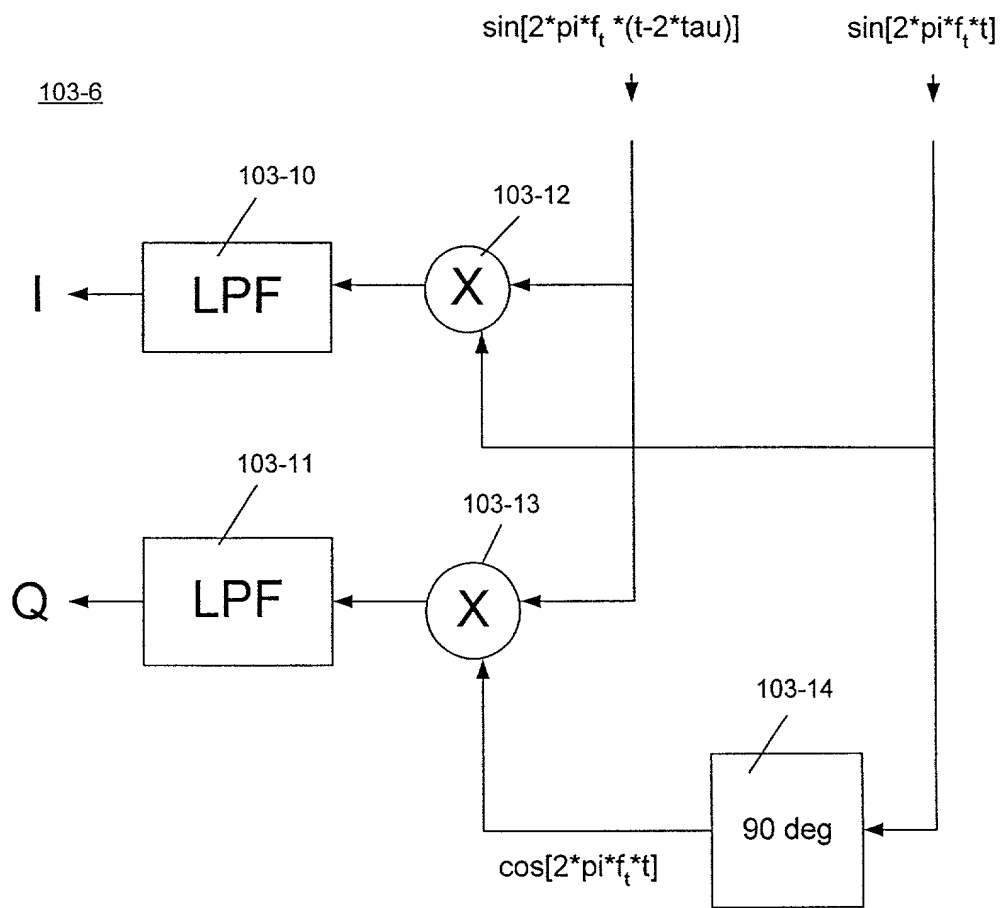
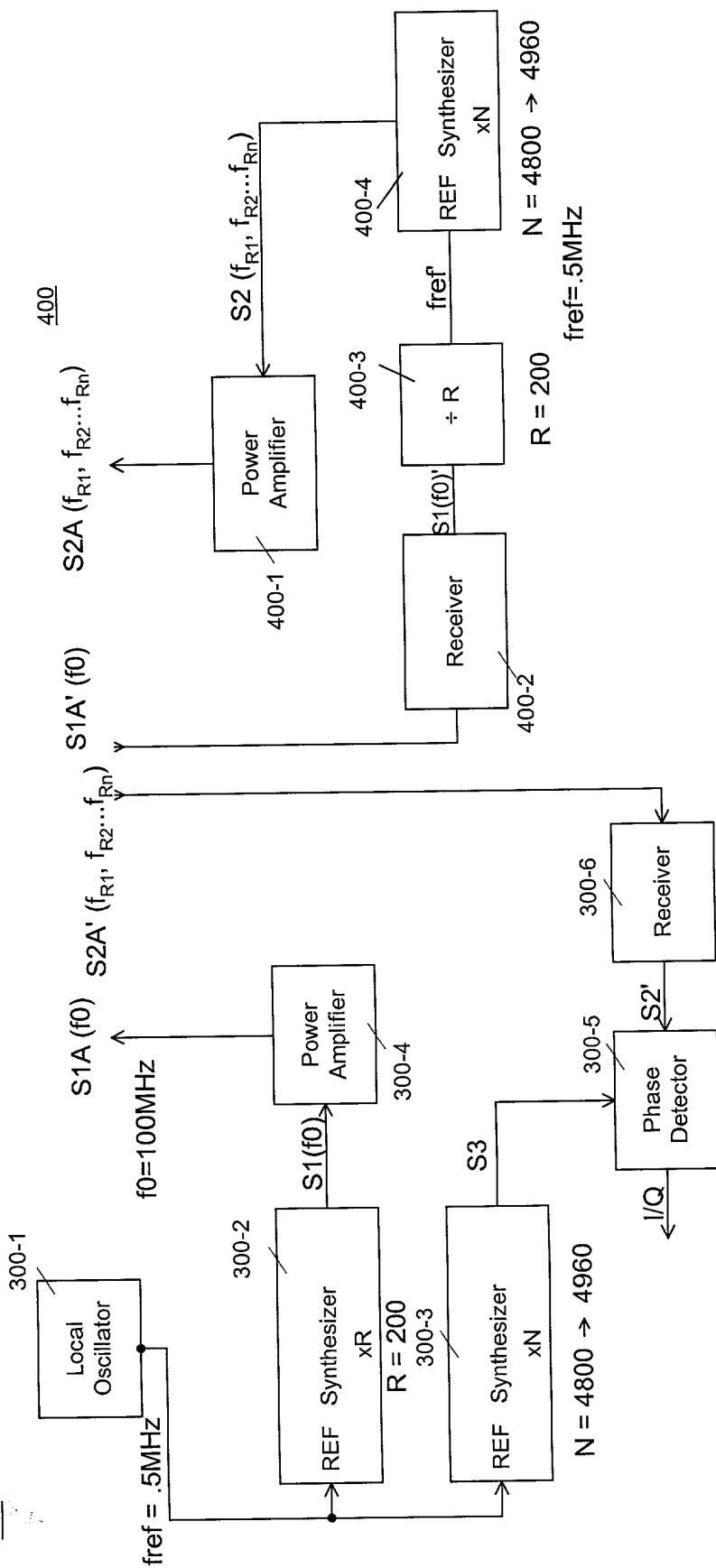


Fig. 6

300



REMOTE STATION

BASE STATION

FIG. 7

500

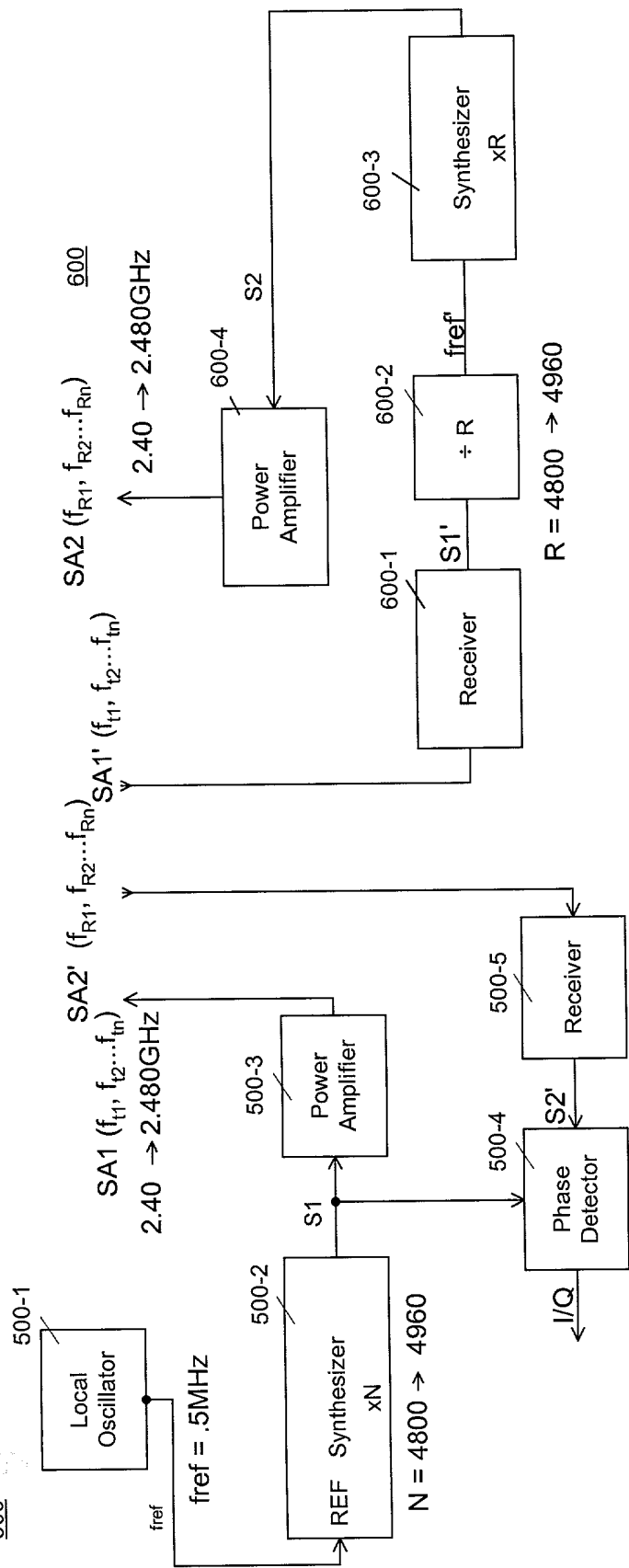


FIG. 8

BASE STATION

REMOTE STATION

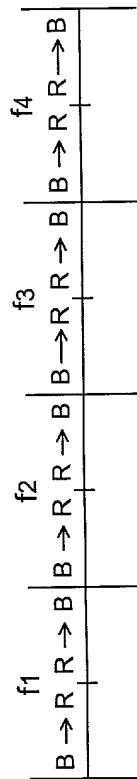
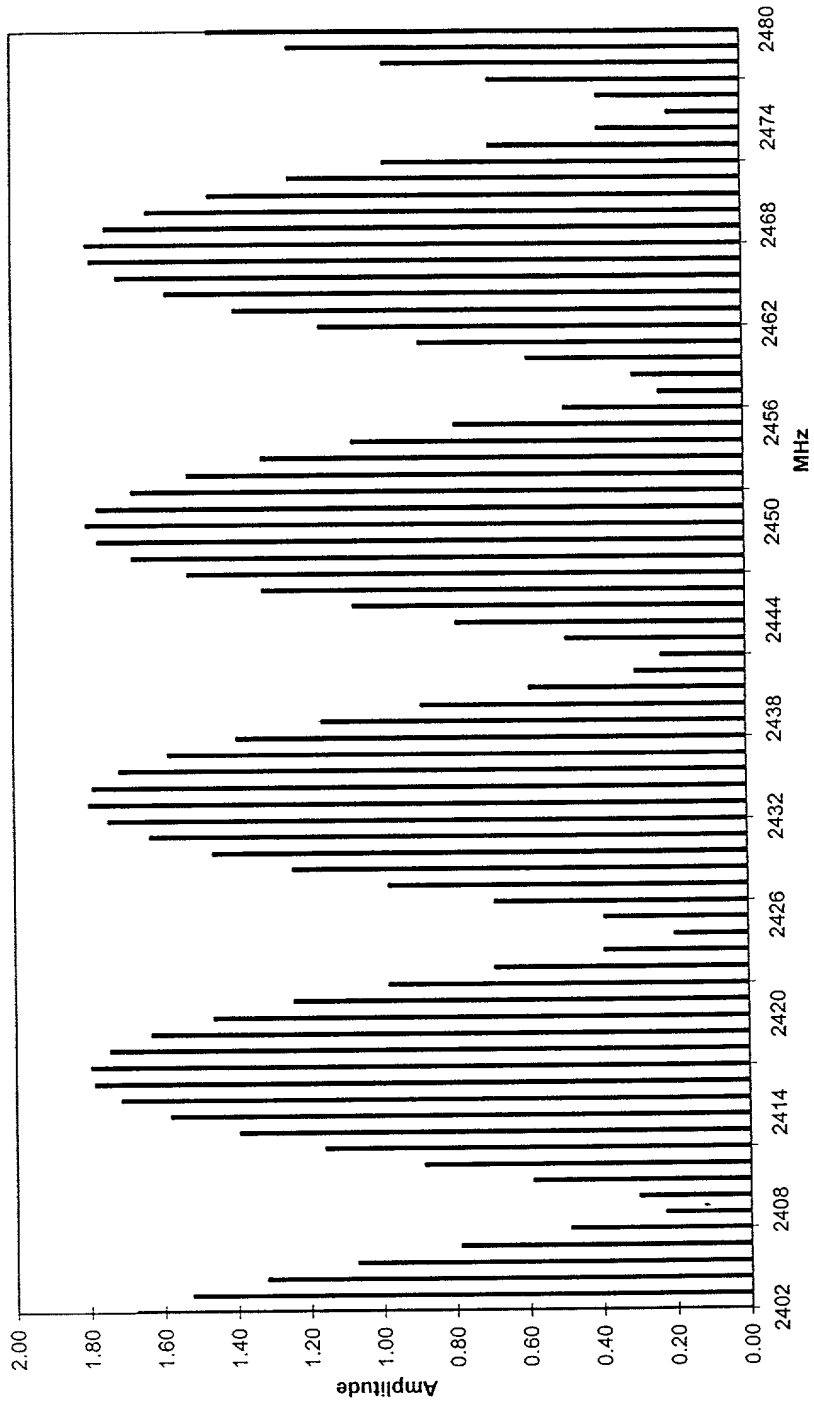
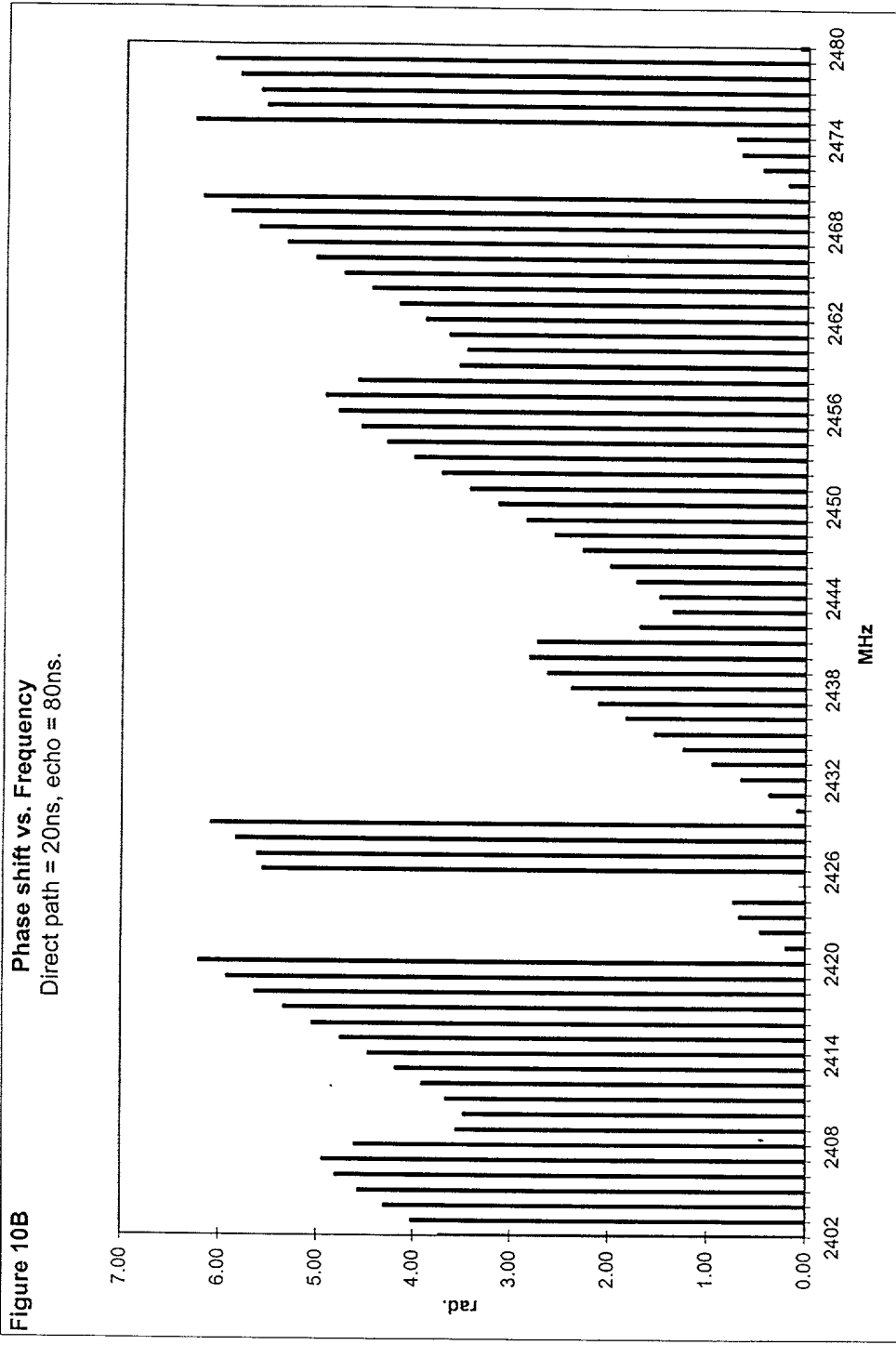


FIG. 9

Figure 10A

Amplitude vs. Frequency
Direct path = 20ns, echo = 80ns.





IFFT Result
Direct Path = 20ns, echo = 80ns.

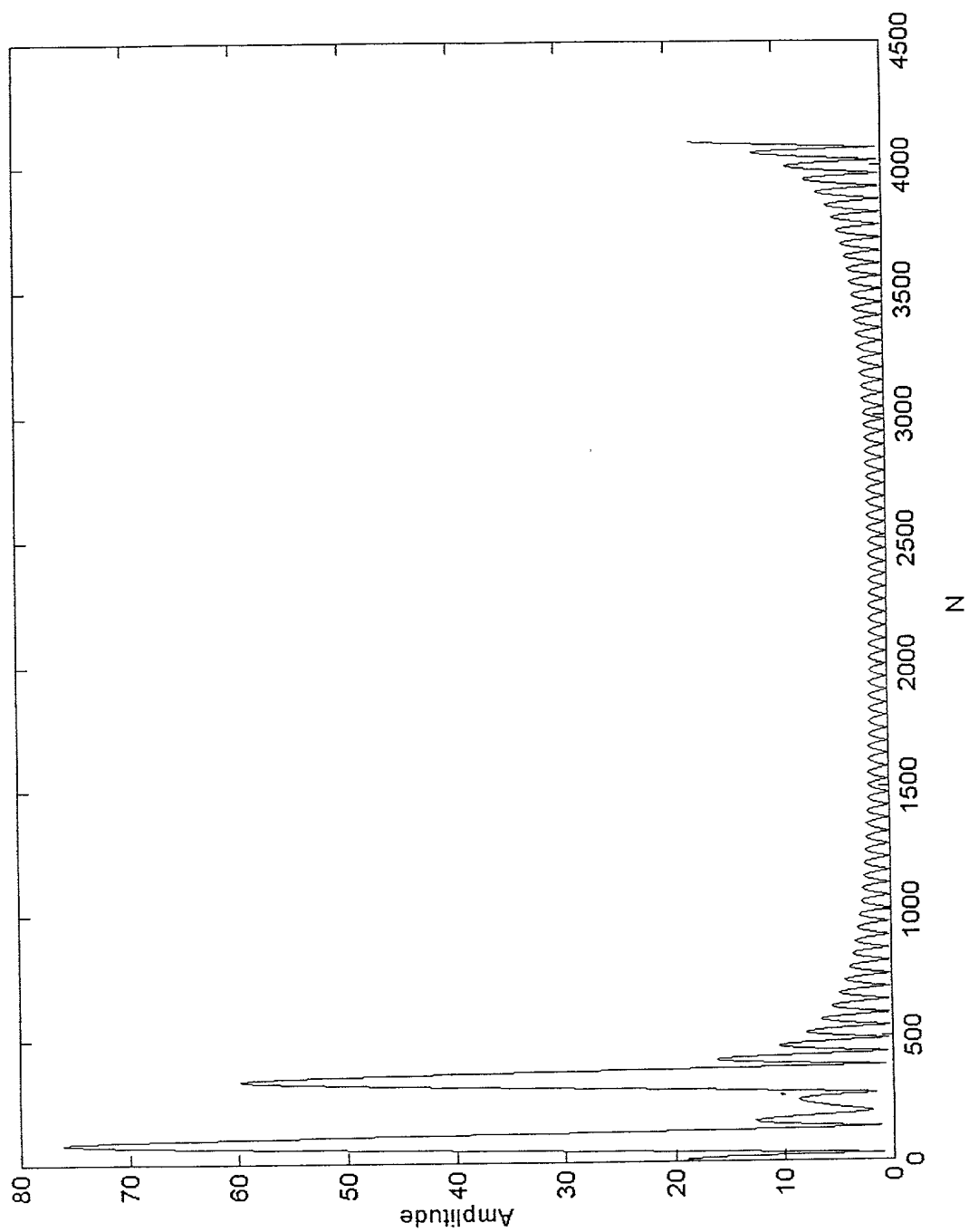


FIGURE 10C

Propagated in Screened Time Domain

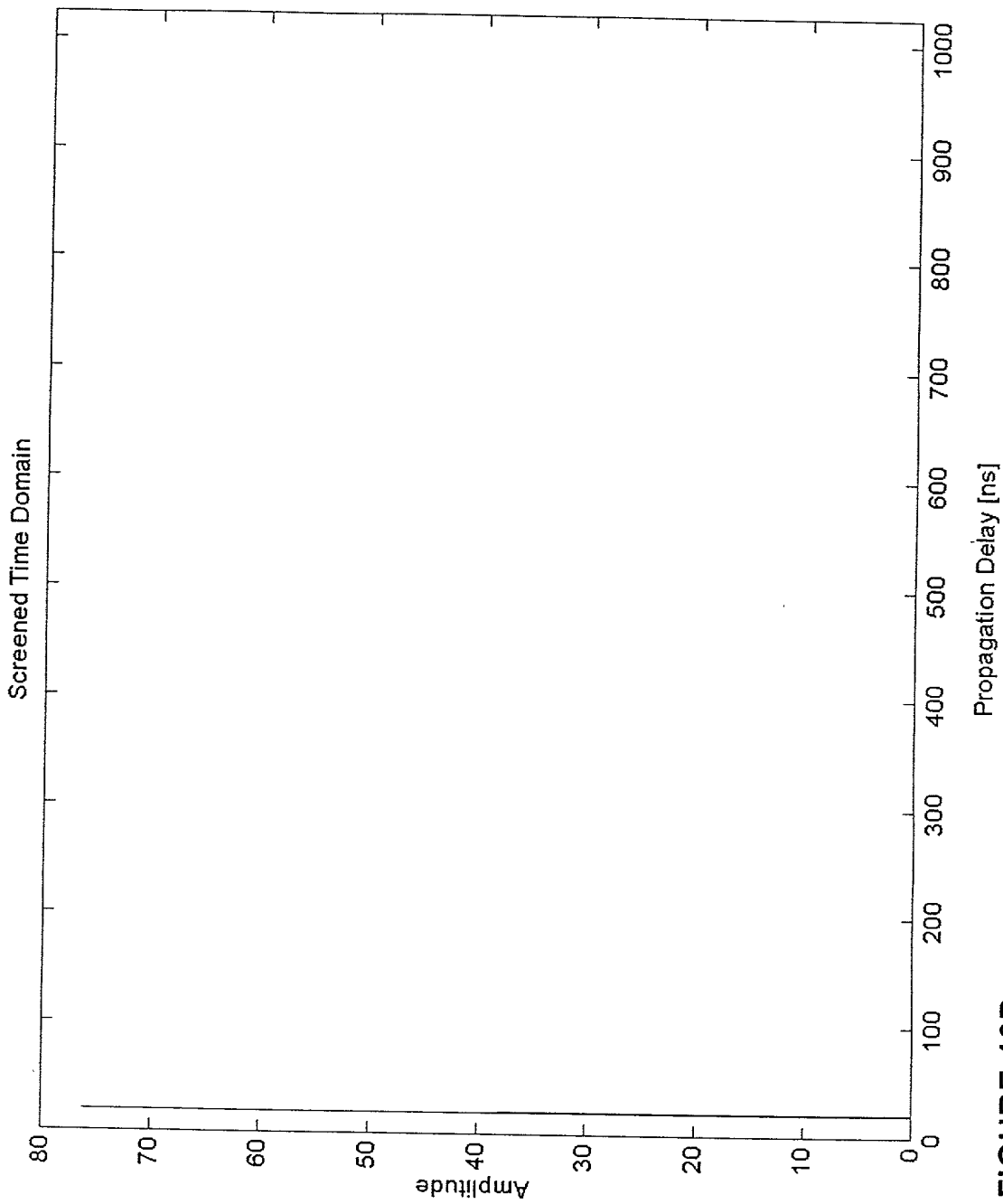


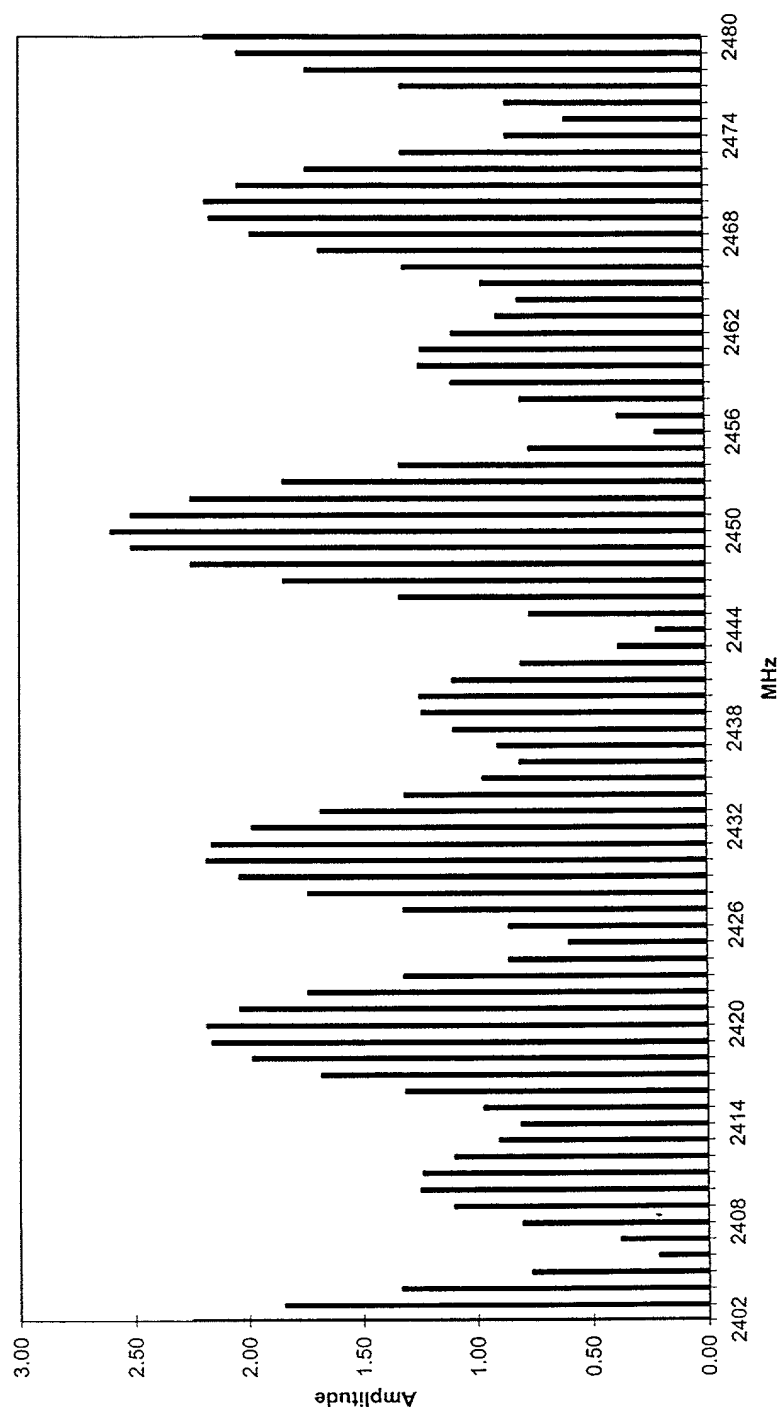
FIGURE 10D

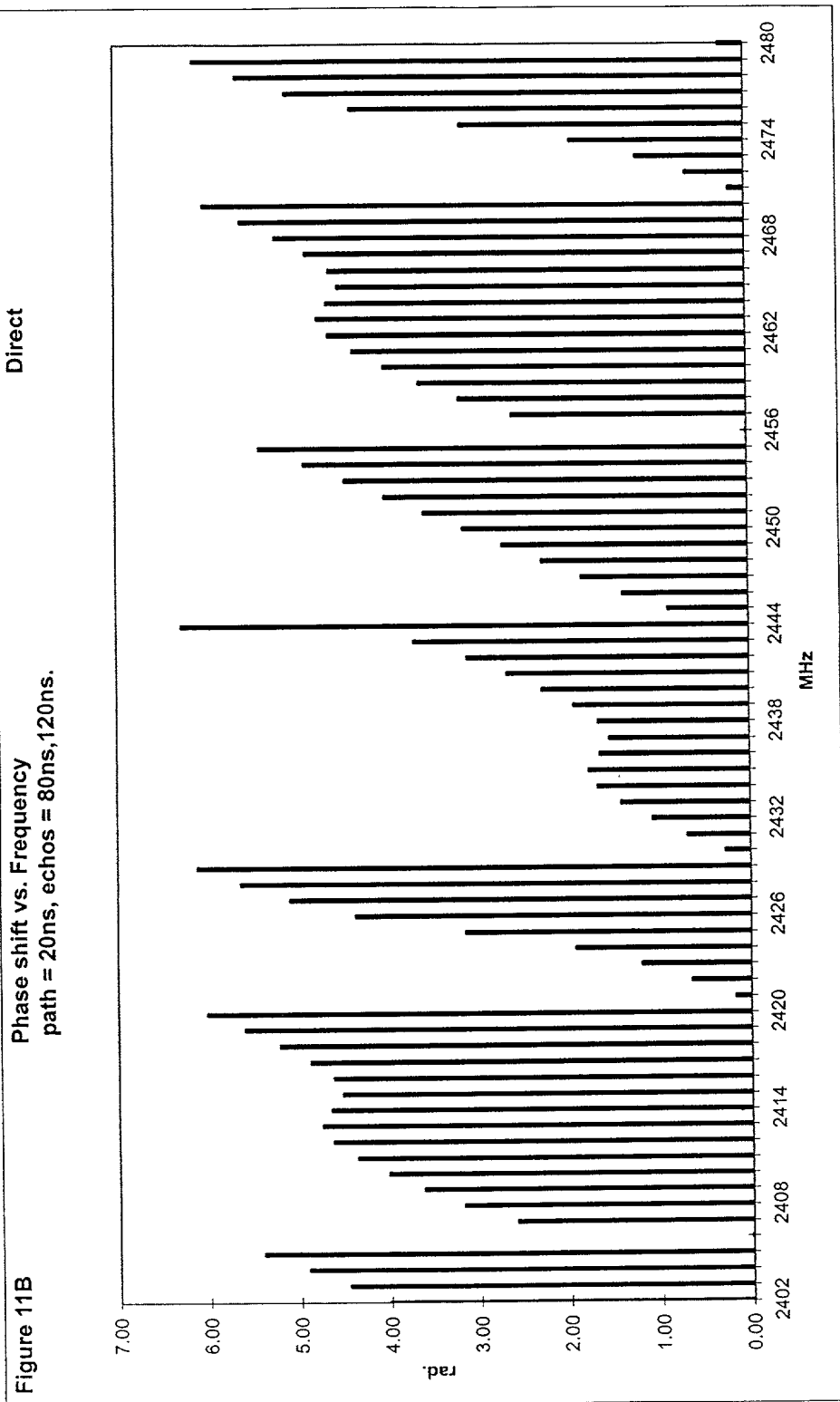
The graph displays the FFT Reconstructed Phase in radians on the y-axis against Frequency in MHz on the x-axis. The y-axis ranges from -4 to 4 with major ticks every 1 unit. The x-axis ranges from 2400 to 2480 with major ticks every 10 MHz. The phase starts at 0 rad at 2400 MHz, rises linearly to approximately 3.14 rad at 2430 MHz, stays constant at 3.14 rad until 2432 MHz, and then falls linearly back to 0 rad at 2480 MHz.

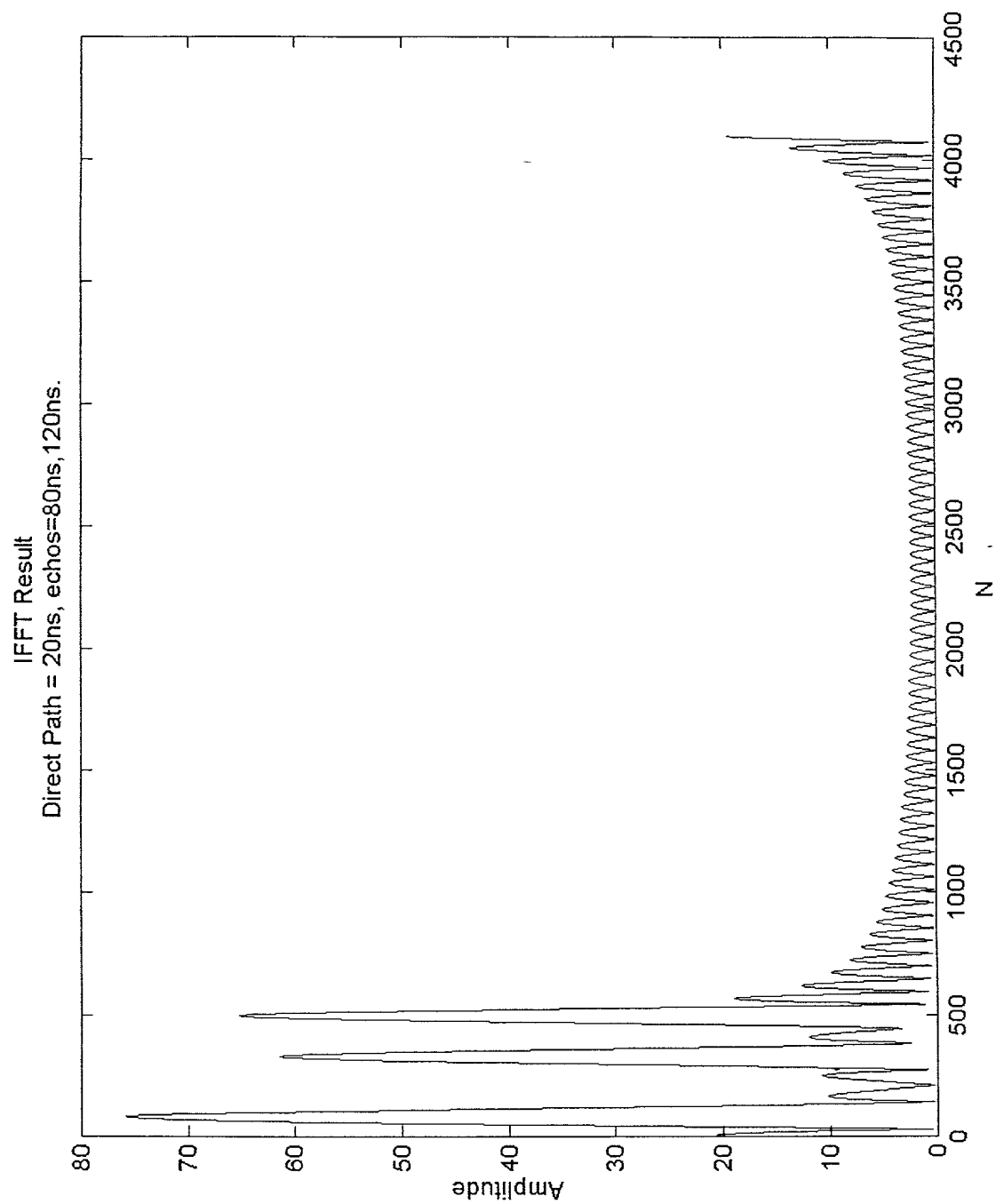
Frequency [MHz]	FFT Reconstructed Phase [rad]
2400	0.0
2410	0.52
2420	1.04
2430	3.14
2432	3.14
2440	2.08
2450	1.04
2460	0.52
2470	0.10
2480	0.0

FIGURE 10E

Figure 11A Amplitude vs. Frequency
Direct path = 20ns, echos = 80ns, 120ns.







Screened Time Domain

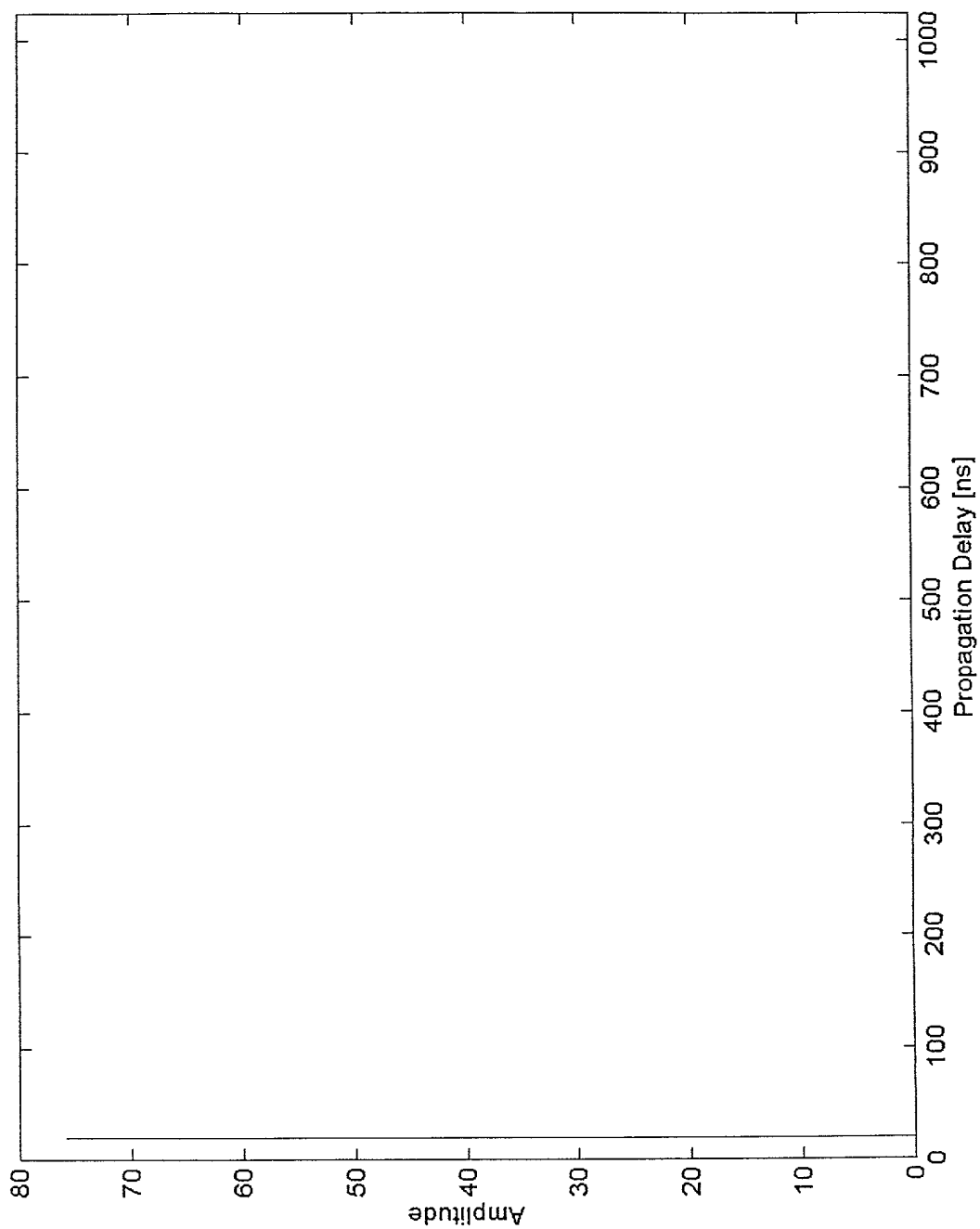
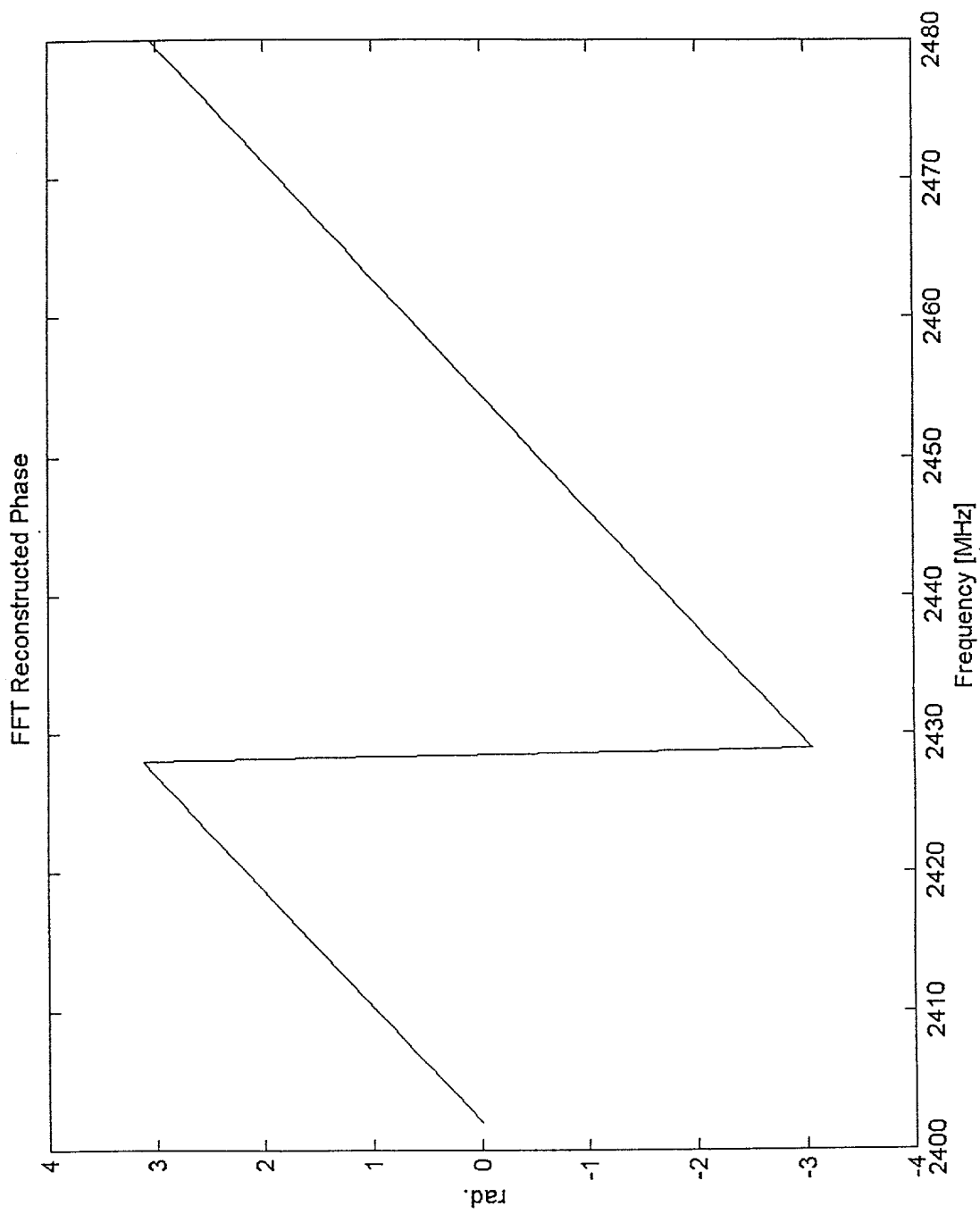


FIGURE 11D



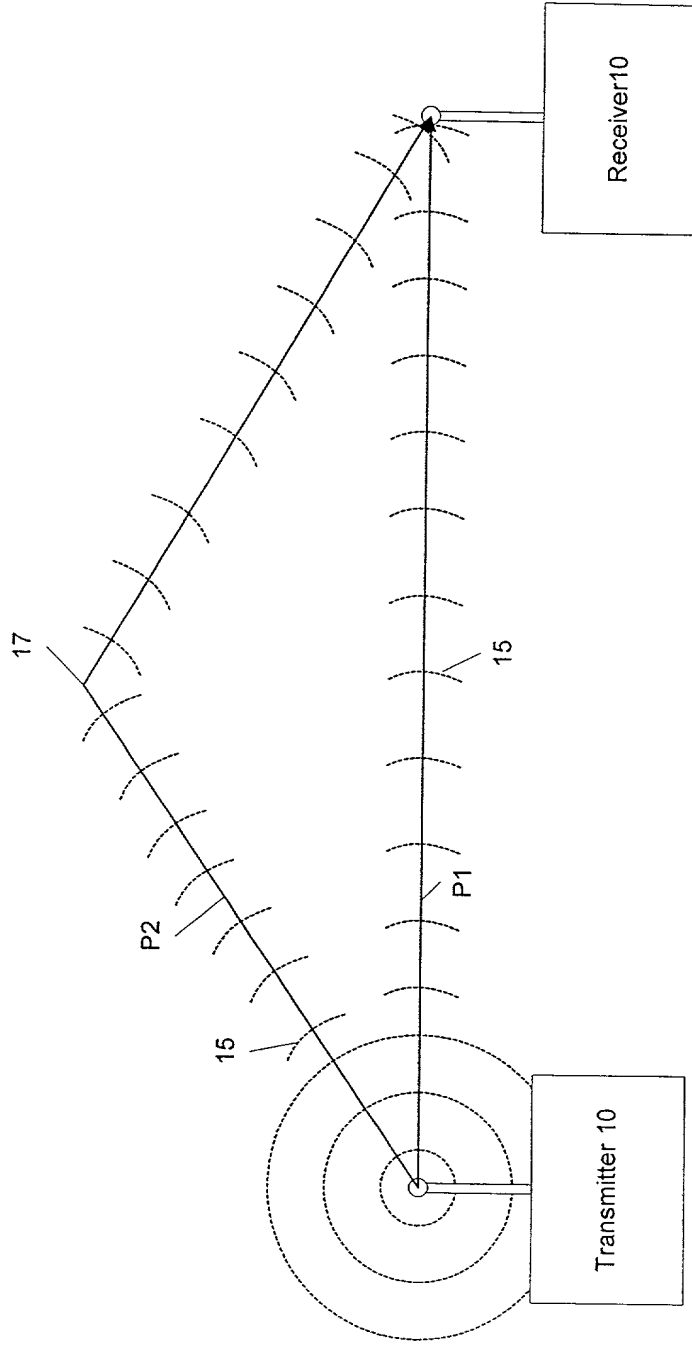


FIGURE 12